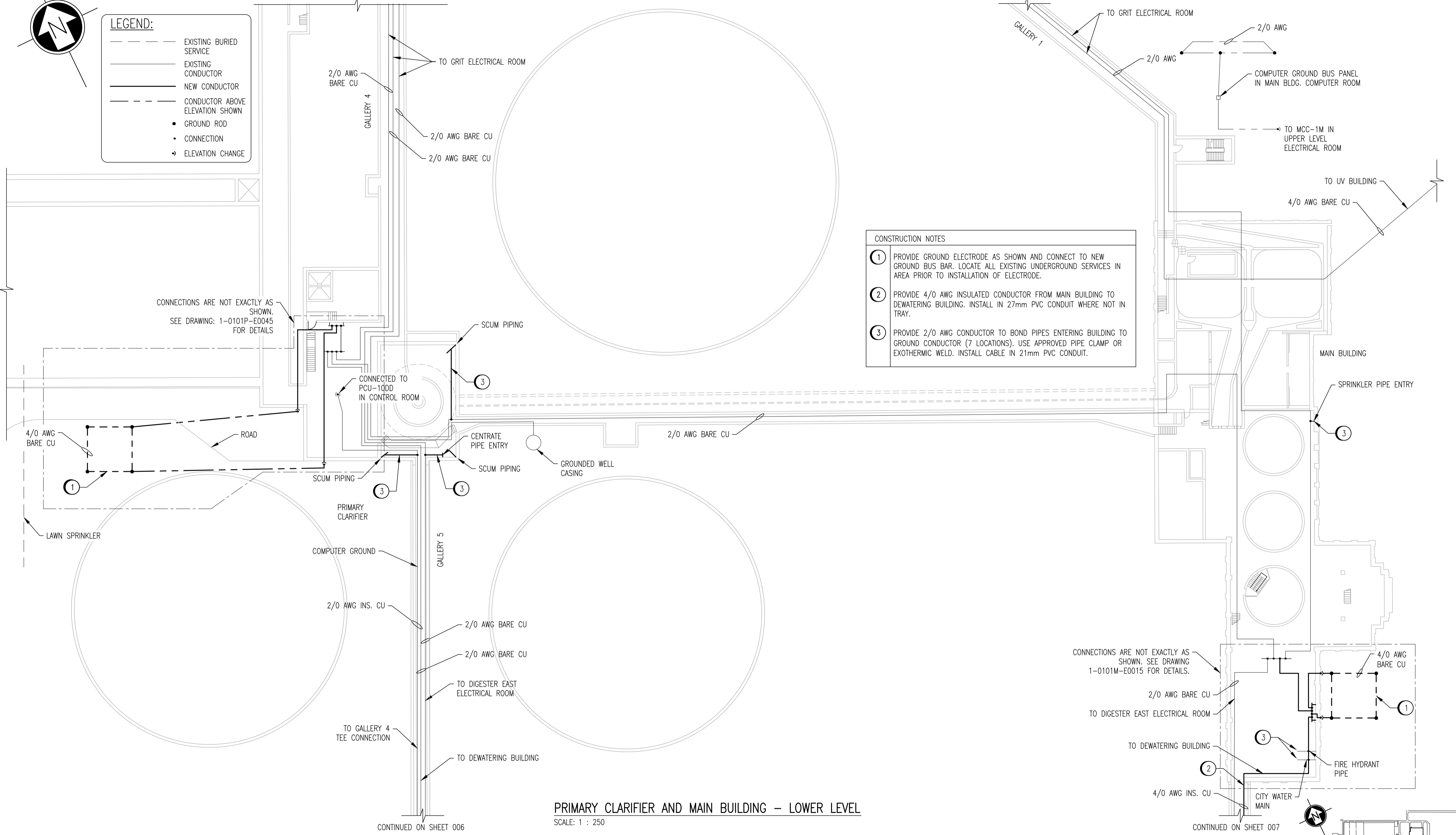


**LEGEND:**

- - - - - EXISTING BURIED SERVICE
- - - - - EXISTING CONDUCTOR
- NEW CONDUCTOR
- - - - - CONDUCTOR ABOVE ELEVATION SHOWN
- GROUND ROD
- CONNECTION
- ↗ ELEVATION CHANGE

CONTINUED ON SHEET 002

CONTINUED ON SHEET 002



**CONSTRUCTION NOTES**

- 1 PROVIDE GROUND ELECTRODE AS SHOWN AND CONNECT TO NEW GROUND BUS BAR. LOCATE ALL EXISTING UNDERGROUND SERVICES IN AREA PRIOR TO INSTALLATION OF ELECTRODE.
- 2 PROVIDE 4/0 AWG INSULATED CONDUCTOR FROM MAIN BUILDING TO DEWATERING BUILDING. INSTALL IN 27mm PVC CONDUIT WHERE NOT IN TRAY.
- 3 PROVIDE 2/0 AWG CONDUCTOR TO BOND PIPES ENTERING BUILDING TO GROUND CONDUCTOR (7 LOCATIONS). USE APPROVED PIPE CLAMP OR EXOTHERMIC WELD. INSTALL CABLE IN 21mm PVC CONDUIT.

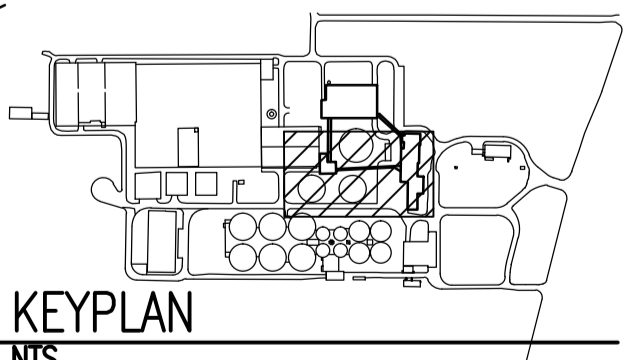
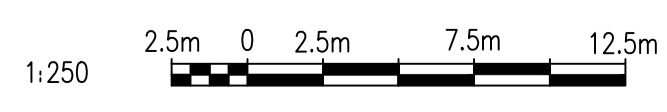
CONNECTIONS ARE NOT EXACTLY AS SHOWN. SEE DRAWING: 1-0101P-E0045 FOR DETAILS

CONNECTIONS ARE NOT EXACTLY AS SHOWN. SEE DRAWING 1-0101M-E0015 FOR DETAILS.

**PRIMARY CLARIFIER AND MAIN BUILDING - LOWER LEVEL**  
SCALE: 1 : 250

**NOTES:**

1. THE ELEVATION OF THE GROUNDING CONDUCTORS AND ELECTRODES VARIES AND IS SHOWN ON A SINGLE LEVEL TO EASE THE UNDERSTANDING OF HOW THE GROUNDING SYSTEM IS INTERCONNECTED. SEE LEGEND FOR LINETYPES OF CONDUCTORS AT DIFFERENT ELEVATIONS.
2. THE LOCATION AND ROUTING OF EXISTING GROUNDING CONDUCTORS IS APPROXIMATE.



1-0101A-E0010	GROUNDING INSTALLATION DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS

00	ISSUED FOR TENDER, BID OPP: 845-2012	2012/10/30	TMC	CJR
NO.	REVISIONS	DATE	DESIGN	CHECK

<p>SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080</p>		ENGINEER'S SEAL
DESIGNED BY: T. CHURCH	CHECKED BY: C. REIMER	
DRAWN BY: S. COATES	APPROVED BY: C. REIMER	
SCALE: 1:250	RELEASED FOR CONSTRUCTION BY: B. STATION	
DATE: 2009/11/20	DATE: 2012/10/31	
CONSULTANT NO.: 113312-0000-47DD-0001		

<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>			
<p>NORTH END WATER POLLUTION CONTROL CENTRE GROUNDING UPGRADES SITE PLAN GROUNDING CONDUCTOR ROUTING</p>			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101A-E0011	001	00	A1